

LED T8 Value Glass

Tubular lamps

DATA SHEET



Product information

The LED T8 VG Glass range offers safe, reliable and affordable energy saving alternatives to standard Fluorescent T8 lamps. Available in 60cm, 120cm, 150cm and 180cm lengths, GE LED T8s can be quickly fitted as a replacement into luminaires operating on electro-magnetic control gear or on electronic gear with a simple re-wire (for further details see installation guide).

Features

- 50,000 hours L70 rated lifetime, reduced maintenance cost
- High energy saving, efficiency up to 125 lm/W
- High uniformity of light, create elegant lighting atmosphere for retail & commercial applications
- Especially suitable for supermarket, high color rendering of fresh food to engage customers
- Environment friendly – no UV, no Hg
- Energy saving up to 60% (on mains connection versus T8 fluorescent lamps on electro-magnetic gear)
- Switching cycle: 50.000
- Instant-on light
- High Power Factor: >0.9
- Wide, over 300°, light distribution
- Compatible with existing installations

IEC Standards

EN 55015	Limits and methods of measurement of radio disturbance characteristics of electrical lighting
EN 61000-3-2	Limits for harmonic current emissions (equipment rated current ≤16A)
EN 61000-3-3	Limitation of voltage fluctuations and flicker in low voltage supply systems (equipment rated current ≤16A)
EN 61547	Specification for equipment for general lighting purposes. EMC Immunity requirements
EN 62493:2010	Assessment of lighting equipment related to human exposure to electromagnetic field
IEC 62471	Photo biological safety of lamps and lamp systems
IEC 60061-1	Lamp Caps
IEC 62776	Double-capped LED lamps for general lighting services - Safety specifications

Electrical, Photometric and Lumen Maintenance test conducted as defined by IES LM-79-08 and IES LM-80-08 Test

Application areas



Hospitality



Industrial



Car park



Office

Specification summary

Rated Wattage (W)	Length (mm)	CCT (Kelvin)	Cap	Product Description	Rated Luminous flux (lm)	Life B50 (hrs)	CRI (Ra)	Energy Efficiency Class	Pack Qty (pcs)	Product Code
8	600	3000	G13	LED 8/T8VG 0,6m/830/100-240V 1/15	950	50 000	80+	A+	15	93076819
8	600	3000	G13	LED 8/T8VG 0,6m/830/100-240V 1/15DS	950	50 000	80+	A+	15	93076927
8	600	4000	G13	LED 8/T8VG 0,6m/840/100-240V 1/15	1000	50 000	80+	A+	15	93076820
8	600	4000	G13	LED 8/T8VG 0,6m/840/100-240V 1/15DS	1000	50 000	80+	A+	15	93076928
8	600	6500	G13	LED 8/T8VG 0,6m/865/100-240V 1/15	1000	50 000	80+	A+	15	93076821
8	600	6500	G13	LED 8/T8VG 0,6m/865/100-240V 1/15DS	1000	50 000	80+	A+	15	93076929
14	1200	4000	G13	LED 14/T8VG 1,2m/840/100-240V 1/15	1750	50 000	80+	A+	15	93076822
14	1200	4000	G13	LED 14/T8VG 1,2m/840/100-240V 1/15DS	1750	50 000	80+	A+	15	93076930
14	1200	6500	G13	LED 14/T8VG 1,2m/865/100-240V 1/15	1750	50 000	80+	A+	15	93076823
14	1200	6500	G13	LED 14/T8VG 1,2m/865/100-240V 1/15DS	1750	50 000	80+	A+	15	93076931
17	1200	3000	G13	LED 17/T8VG 1,2m/830/100-240V 1/15	2000	50 000	80+	A+	15	93076824
17	1200	3000	G13	LED 17/T8VG 1,2m/830/100-240V 1/15DS	2000	50 000	80+	A+	15	93076932
17	1200	4000	G13	LED 17/T8VG 1,2m/840/100-240V 1/15	2100	50 000	80+	A+	15	93076825
17	1200	4000	G13	LED 17/T8VG 1,2m/840/100-240V 1/15DS	2100	50 000	80+	A+	15	93076933
17	1200	6500	G13	LED 17/T8VG 1,2m/865/100-240V 1/15	2100	50 000	80+	A+	15	93076926
17	1200	6500	G13	LED 17/T8VG 1,2m/865/100-240V 1/15DS	2100	50 000	80+	A+	15	93076934
26,5	1500	3000	G13	LED 26,5/T8VG 1,5m/830/100-240V 1/10	3000	50 000	80+	A+	10	93080089
26,5	1500	3000	G13	LED 26,5/T8VG 1,5m/830/100-240V 1/10DS	3000	50 000	80+	A+	10	93080092
26,5	1500	4000	G13	LED 26,5/T8VG 1,5m/840/100-240V 1/10	3100	50 000	80+	A+	10	93080090
26,5	1500	4000	G13	LED 26,5/T8VG 1,5m/840/100-240V 1/10DS	3100	50 000	80+	A+	10	93080093
26,5	1500	6500	G13	LED 26,5/T8VG 1,5m/865/100-240V 1/10	3100	50 000	80+	A+	10	93080091
26,5	1500	6500	G13	LED 26,5/T8VG 1,5m/865/100-240V 1/10DS	3100	50 000	80+	A+	10	93080094
30	1800	3000	G13	LED 30/T8 VG 6ft/830/220-240V BX1/10	3300	40 000	80+	A+	10	93040746
30	1800	4000	G13	LED 30/T8 VG 6ft/840/220-240V BX1/10	3600	40 000	80+	A+	10	93040747
30	1800	6500	G13	LED 30/T8 VG 6ft/865/220-240V BX1/10	3600	40 000	80+	A+	10	93040748

Specifications

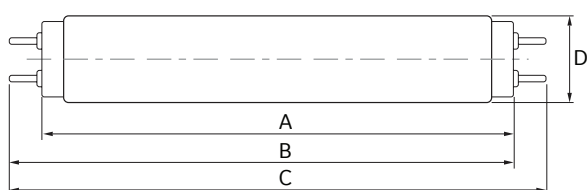
Nominal Voltage	8-26,5W: 100-240V 30W: 220-240V
Operating frequency	50 - 60Hz
Power factor	≥ 0,90
Operating temperature range	8-26,5W: -30 ...+50°C 30W: -20 ...+40°C
Starting time	< 0,5 s
Lumen maintenance at B50	70%
Beam angle	200°
Number of switching cycle	50 000
Dimmable	No
Use in emergency application	No

Operation and maintenance

Store and use the lamps the same way as standard fluorescent lamps.

- Lamps should be kept free from contamination.
- Switch off mains supply before installing/removing lamp.
- Good condition of the lamp-holder contacts is important to ensure proper operation of lamp.
- For magnetic gear system ensure existing fluorescent starter is replaced with LED T8 starter (included in each pack).
- Not suitable for direct replacement of linear fluorescent tubes in luminaires where lamps are connected in series
- Presence of power shifting capacitor in the system may significantly lower the power factor of the system
- For direct wire please check the provided installation instructions.
- Use in fully enclosed fixtures may affect life performance.

Dimensions (mm)



Maximum overall length (mm)	2ft	4ft	5ft	6ft
A	600	1200	1500	1763.8
B	597	1207	1507	1770.9
C	604	1214	1514	1778
D	28	28	28	28
Net weight (g)	130	240	310	350